

Name \_\_\_\_\_ Period \_\_\_\_\_

# Geometry Unit 8 Worksheet #9 – Kites

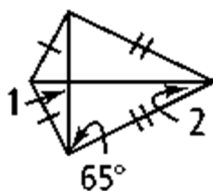
Find the measure of the missing angles in the kites.

1)



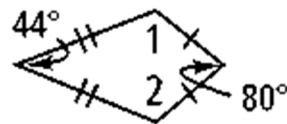
$\angle 1 = \underline{\hspace{2cm}}$   $\angle 2 = \underline{\hspace{2cm}}$

2)



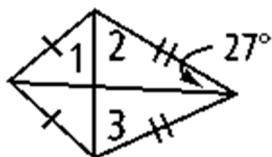
$\angle 1 = \underline{\hspace{2cm}}$   $\angle 2 = \underline{\hspace{2cm}}$

3)



$\angle 1 = \underline{\hspace{2cm}}$   $\angle 2 = \underline{\hspace{2cm}}$

4)



$\angle 1 = \underline{\hspace{2cm}}$   $\angle 2 = \underline{\hspace{2cm}}$

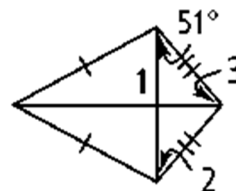
$\angle 3 = \underline{\hspace{2cm}}$

5)



$\angle 1 = \underline{\hspace{2cm}}$   $\angle 2 = \underline{\hspace{2cm}}$

6)

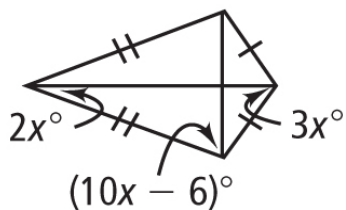


$\angle 1 = \underline{\hspace{2cm}}$   $\angle 2 = \underline{\hspace{2cm}}$

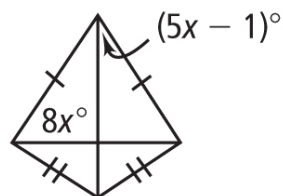
$\angle 3 = \underline{\hspace{2cm}}$

Find the value of the variable(s) in each kite.

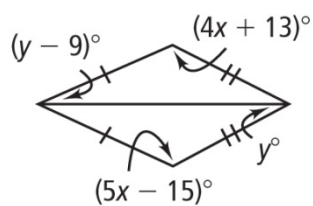
7)



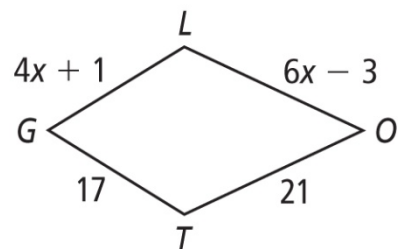
8)



9)

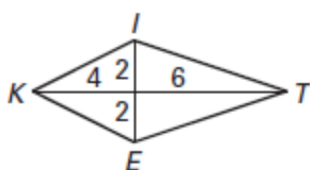


10)



Use Pythagorean theorem to find the lengths of the sides of the kite. Round to the tenths place.

11)



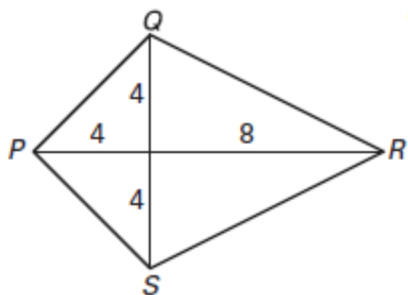
KI = \_\_\_\_\_

IT = \_\_\_\_\_

TE = \_\_\_\_\_

KE = \_\_\_\_\_

12)



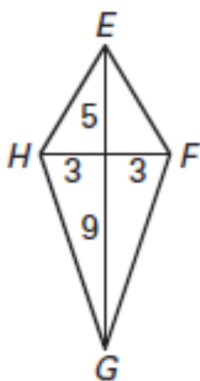
PQ = \_\_\_\_\_

QR = \_\_\_\_\_

RS = \_\_\_\_\_

PS = \_\_\_\_\_

13)



EH = \_\_\_\_\_

EF = \_\_\_\_\_

FG = \_\_\_\_\_

GH = \_\_\_\_\_